

Abstract of the Disclosure

**HOSE CONSTRUCTION CONTAINING THERMOPLASTIC
QUADPOLYMERS**

5

The present invention relates to a hose construction containing a thermoplastic barrier and a fluoroelastomer rubber layer. The hose comprises (1) a rubber layer comprising FKM rubber; and (2) a barrier layer comprised of a thermoplastic quadpolymer derived from (i) tetrafluoroethylene, (ii) vinylidene fluoride, (iii) at least
10 one ethylenically unsaturated monomer of the formula $\text{CF}_2=\text{CFR}_f$ where R_f is a perfluoroalkyl or a perfluoroalkoxy of 1 to 8 carbon atoms, and (iv) a perfluorovinyl ether of the formula $\text{CF}_2=\text{CF}-(\text{OCF}_2 \text{CF}(\text{R}_f))_a \text{OR}'_f$ where R_f is as described in (iii), R'_f is a perfluoroaliphatic, preferably a perfluoroalkyl or a perfluoroalkoxy, of 1 to 8, preferably 1 to 3, carbon atoms, and a has a value of 0 to 3; wherein the barrier layer
15 is adhered to the rubber layer with an adhesive amount of a thermoplastic terpolymer derived from tetrafluoroethylene, hexafluoropropylene and vinylidene fluoride.